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TO  
ARCHITECTS, BUILDERS, ENGINEERS,  
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LIST OF PUBLICATIONS OF INTEREST TO  
ARCHITECTS, BUILDERS, ENGINEERS, AND RETAIL LUMBERMEN<sup>1</sup>

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FOREWORD

Scope.--This is a partial listing of literature available on the use of wood as a construction material, particularly as applied to houses and other light-frame construction. It includes publications that give general information and results of research by the U.S. Forest Service and other organizations.

One of the most useful references is the WOOD HANDBOOK, which was prepared as an aid to better and more efficient use of wood as a construction material. It is cited on page 11, but is currently being revised for reissue as a USDA Handbook.

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<sup>1</sup>This supersedes the similar list of June 1965.

## Sources of publications

### (1) U.S. Forest Products Laboratory.

Publications without an asterisk (\*) are available for distribution from this Laboratory. Single copies may be obtained free upon request to the Director, Forest Products Laboratory, Madison, Wis. 53705

The Laboratory reserves the right to furnish only those publications which in its judgment will give the information requested. Blanket requests or requests for a large number of copies of any individual article will not be filled except in unusual cases.

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(2) Superintendent of Documents, Government Printing Office, Washington, D. C. 20402. Send money order, draft, or cash; stamps or personal checks are not accepted.

### (3) Publishers.

(4) Libraries may be the only available source for many trade journal articles and for publications out of print.

Symbols and abbreviations used.--For the sake of brevity, the following abbreviations have been used.

USDA - U.S. Department of Agriculture.

USFS - U.S. Forest Service.

FPL - Forest Products Laboratory.

ASTM - American Society for Testing and Materials (1916 Race St., Philadelphia, Pa. 19103).

GPO - Government Printing Office.

Rev. - Revised.

R&R - Reviewed and reaffirmed.

# BUILDINGS AND STRUCTURES

Title	Author	Publication and date
House foundation of treated wood after 30 years' service.	Bendtsen, B. A.	USDA FS Res. Pap. FPL 98. 1968.
Construction of Nu-frame research house.	Anderson, L. O.	USFS Res. Pap. FPL 88. 1968.
Houses can resist hurricanes.	Anderson, L. O., & Smith, W. R.	USFS Res. Pap. FPL 33. 1965.
A study of wind stresses in three typical pole building frames.	Parker, J. E.	USFS Res. Note FPL-049. 1964.
Wood for use in bulk storage structures.	Wood, L. W.	USFS Res. Note FPL-041. 1964.
Wood structure performance in an earthquake in Anchorage, Alaska.	Anderson, L. O., & Liska, J. A.	USFS Res. Pap. FPL 16. 1964.
Built-up beams for light frame and pole construction.	Doyle, D. V.	FPL Rep. 2230. 1962.
Segmental rafters for gothic-roofed farm buildings.	FPL	FPL Tech. Note 261. 1958.
Performance of structural pole frames under test load.	Doyle, D. V.	FPL Rep. 2111. 1958.
*Building with logs.	Fickes, C. P., & Groben, W.E.	USDA Misc. Publ. 579. 1945. Rev. 1957. Out of print.
*Building a log house.	Based on USDA Misc. Publ. 579.	Coop. Ext. Serv., Univ. of Alaska. Reprinted 1965. 25 cents.
Wood-frame house construction.	Anderson, L. O., & Heyer, O. C.	USDA Agr. Handb. 73. 1955. Being rev.
Structural performance requirements in housing codes.	Wood, L. W.	ASTM Spec. Tech. Publ. 166. 1954.
Research in wind-resistant farm building construction.	Doyle, D. V.	FPL Rep. 1930. 1952. R&R 1965.

# MATERIALS

Title	Author	Publication and date
Selection and use of wood products for home and farm building.	Anderson, L. O.	USDA Agr. Inf. Bull. 311. 1967.
Flexural behavior of large glued-laminated beams.	Bohannon, Billy	USFS Res. Pap. FPL 72. 1966.
Properties of southern pine in relation to strength grading of dimension lumber.	Doyle, D. V., & Markwardt, L. J.	USFS Res. Pap. FPL 64. 1966.
Selection and properties of woodworking glues.	FPL	USFS Res. Note FPL-0138. 1966.
Machine grading--Theory and practice.	Hilbrand, H. C., & Miller, D. G.	Forest Prod. J. Nov. 1966.
Derivation of fiber stresses from strength values of wood poles.	Wood, L. W., & Markwardt, L. J.	USFS Res. Pap. FPL 39. 1965.
After two decades of service, glulam timbers show good performance.	Selbo, M. L.	Forest Prod. J. Nov. 1965.
Insulating board, hardboard, and other structural fiber-boards.	Lewis, W. C., & Schwartz, S. L.	USFS Res. Note FPL-077. 1965.
Particle board.	FPL	USFS Res. Note FPL-072. 1964.
Bending strength and stiffness of plywood.	FPL	USFS Res. Note FPL-059. 1964.
Overlays for lumber--an old product in a new dress.	Fleischer, H. O., & Heebink, B. G.	USFS Res. Note FPL-035. 1964.
Machine-graded lumber...out of the laboratory...into commercial trials.	Wood, L. W.	Forest Prod. J. Jan. 1964.
Adhesives--past, present, and future.	Blomquist, R. F.	1963 Edgar Marburg Lecture. ASTM. 1964.



# MATERIALS

Title	Author	Publication and date
Importance of balanced construction in plastic-faced wood panels.	Heebink, B. G.	USFS Res. Note FPL-021. 1963.
How durable is particleboard? Part 1.	Hann, R. A., Black, J. M., & Blomquist, R. F.	Forest Prod. J. Dec. 1962.
Part 2. The effect of temperature and humidity.	Same authors as above.	Forest Prod. J. May 1963.
Paper overlaid lumber.	Heebink, B. G.	Forest Prod. J. Apr. 1961.
Working stresses for farm building lumber.	Wood, L. W.	Agr. Eng. Jan. 1961.
Selecting farm framing lumber for strength.	Wood, L. W.	USDA Leaflet 481. 1960.
Estimating the weight of plywood.	FPL	FPL Tech. Note 260. 1956.
Properties of insulating fiberboard sheathing.	Luxford, R. F.	FPL Rep. 2032. 1955. R&R 1960.
Some potentialities of overlaid lumber.	Heebink, B. G., Seidl, R. J., Laughnan, D. F., & Blomquist, R.F.	Forest Prod. J. Apr. 1955.
Structural values of old lumber.	Wood, L. W.	FPL Rep. 2009. 1954. R&R 1965.
*Fabrication and design of glued laminated wood structural members.	Freas, A. D., & Selbo, M. L.	USDA Tech. Bull. 1069. 1954. Out of print.

## COMPONENTS

Title	Author	Publication and date
Longtime performance of trussed rafters: Initial evaluation.	Wilkinson, T. L.	USFS Res. Pap. FPL 93. 1968.
Guides to improved framed walls for houses.	Anderson, L. O.	USFS Res. Pap. FPL 31. 1965.
Stressed-skin panel performance after twenty-five years of service.	Heyer, O. C., & Blomquist, R. F.	USFS Res. Pap. FPL 18. 1964.
Performance of sandwich panels in FPL experimental unit.	Anderson, L. O., & Wood, L. W.	USFS Res. Pap. FPL 12. 1964.
A study of the strength of short and intermediate wood columns by experimental and analytical methods.	Parker, J. E.	USFS Res. Note FPL-028. 1964.
Importance of balanced construction in plastic-faced wood panels.	Heebink, B. G.	USFS Res. Note FPL-021. 1963.
Wood floors for dwellings.	FPL	USDA Agr. Handb. 204. 1961.
Evaluation of the stiffness of a roof system made of glued-laminated beams and heavy timber decking.	Werren, Fred	FPL Rep. 2229. 1961.
Structural sandwich design criteria.	Kuenzi, E. W.	FPL Rep. 2161. 1959.
Bonding wood veneer floor to concrete.	Eickner, H. W.	Veneers and Plywood. Sept. 1959.
Light wood trusses.	Luxford, R. F.	FPL Rep. 2113. 1958. R&R 1965.
Diaphragm action of diagonally sheathed wood panels.	Doyle, D. V.	FPL Rep. 2082. 1957.
Hollow-core flush doors.	FPL	FPL Rep. 1983. 1954. Rev. 1959. R&R 1965.
Veneer flooring.	Heebink, B. G.	Forest Prod. J. Sept. 1952.

# JOINTS AND FASTENINGS

Title	Author	Publication and date
Moisture cycling of trussed rafter joints.	Wilkinson, T. L.	USFS Res. Pap. FPL 67. 1966.
Strength of wood joints made with nails, staples, or screws.	Scholten, J. A.	USFS Res. Note FPL-0100. 1965.
Nail-withdrawal resistance of American woods.	FPL	USFS Res. Note FPL-093. 1965.
Performance of joints with eight bolts in laminated Douglas-fir.	Doyle, D. V.	USFS Res. Pap. FPL 10. 1964.
Performance of nail-glued joints of plywood to solid wood.	Doyle, D. V.	USFS Res. Note FPL-042. 1964.
Nailing dense hardwoods.	FPL	USFS Res. Note FPL-037. 1964.
Performance of bolted joints in Douglas-fir.	Doyle, D. V., & Scholten, J. A.	USFS Res. Pap. FPL 2. 1963.
Strong joints + strong materials properly used = strong buildings.	Scholten, J. A.	FPL Tech. Note 262. 1962.
Spacing of sixpenny and eightpenny wire nails in Douglas-fir multi-nail joints.	Ramos, A. N., Jr.	FPL Rep. 2155. 1960.
General observations on the nailing of wood.	FPL	FPL Tech. Note 243. Rev. 1957.
How to avoid nail popping in drywall construction.	Luxford, R. F.	FPL Rep. 2036. 1955. R&R 1960.

# INSULATION AND MOISTURE CONTROL

Title	Author	Publication and date
Thermal insulation from wood for buildings: Effects of moisture and its control.	Lewis, W. C.	USDA FS Res. Pap. FPL 86. 1968.
Moisture distribution in wood-frame walls in winter.	Duff, J. E.	Forest Prod. J. Jan. 1968.
Thermal conductivity of wood-base fiber and particle panel materials.	Lewis, W. C.	USFS Res. Pap. FPL 77. 1967.
Condensation in farm buildings.	FPL	USFS Res. Note FPL-0114. 1966.
Effects of wood preservatives on electric moisture-meter readings.	James, W. L.	USFS Res. Note FPL-0106. 1966.
Study of temperature in wood parts of houses throughout the United States.	Heyer, O. C.	USFS Res. Note FPL-012. 1963.
Electric moisture meters for wood.	James, W. L.	USFS Res. Note FPL-08. 1963.
Remedial measures for building condensation difficulties.	FPL	FPL Rep. 1710. Rev. 1955. R&R 1962.

# COATINGS AND FINISHES; PRESERVATION AND PROTECTION

Title	Author	Publication and date
Surface flammability of various wood-base building materials.	FPL	USFS Res. Note FPL-0186. 1968.
Water-repellent preservatives.	FPL	USFS Res. Note FPL-0124. 1968.
Charring rate of selected woods--transverse to grain.	Schaffer, E. L.	USFS Res. Pap. FPL 69. 1967.
Factors influencing decay of untreated wood.	FPL	USFS Res. Note FPL-0154. 1967.
Comparative decay resistance of heartwood of native species.	FPL	USFS Res. Note FPL-0153. 1967.
Comparison of wood preservatives in stake tests (1967 progress report).	Blew, J. O., Jr.	USFS Res. Note FPL-02. 1967.
Comparison of wood preservatives in Mississippi post study (1967 progress report).	Blew, J. O., Jr., & Davidson, H.L.	USFS Res. Note FPL-01. 1967.
Review of information related to the charring rate of wood.	Schaffer, E. L.	USFS Res. Note FPL-0145. 1966.
Weathering of wood.	FPL	USFS Res. Note FPL-0135. 1966.
Finishing exterior plywood.	FPL	USFS Res. Note FPL-0133. 1966.
Discoloration of house paints by water-soluble extractives in western redcedar and redwood.	FPL	USFS Res. Note FPL.0132. 1966.
Building decay associated with rain seepage.	Verrall, A. F.	USDA FS Tech. Bull. 1356. 1966.
Fire-retardant-treated wood.	Eickner, H. W.	ASTM J. of Materials. Sept. 1966.
Painting outside wood surfaces.	FPL	USFS Res. Note FPL-0123. 1966.



# COATINGS AND FINISHES; PRESERVATION AND PROTECTION

Title	Author	Publication and date
*Fire-retardant-treated wood framing--24-inch centers, non-bearing partition passes ASTM 1-hour fire test.	Degenkolb, J. G.	Wood Preserv. News. Dec. 1965.
*Corridor wall linings--Effect on fire performance.	Schaffer, E. L., & Eickner, H. W.	Fire Technol. 1(4): 243-255. 1965.
Forest Products Laboratory natural finish.	FPL	USFS Res. Note FPL-046. 1964.
Fire research at the U.S. Forest Products Laboratory.	Eickner, H. W.	Fire Res. Abstr. Rev. 6(1):17-23. 1964.
Problems in the production of clean treated wood.	Blew, J. O., & Panek, E.	Amer. Wood Preservers' Proc. Apr. 1964.
Some books and pamphlets on finishing of wood and furniture.	FPL	FPL Rep. 63-050. 1963.
Properties of softwoods that affect the performance of exterior paints.	Miniutti, V. P.	Official Digest. May 1963.
Water repellents improve performance of drop siding.	Anderson, L. O.	USFS Res. Pap. FPL 4. 1963.
On-site preservative treatments: Their effectiveness for exterior millwork of different species used in various climates.	Scheffer, T. C., Verrall, A. F., & Harvey, G.	Forest Prod. J. Jan. 1963.
What can be expected from treated wood in highway construction.	Blew, J. O., Jr.	FPL Rep. 2235. 1961.
How good is wood in a fire?	Hamre, R. H.	Forest Farmer. July 1961.
Making log cabins endure.	FPL	FPL Rep. 982. Rev. 1960.

## COATINGS AND FINISHES; PRESERVATION AND PROTECTION

Title	Author	Publication and date
Wood decay in houses.	FS	USDA Home & Garden Bull. 73. 1960.
Fire-retarding treatments for wood.		Nat. Safety Council. Data Sheet 372. Rev. 1960. Nat. Safety Council., 425 N. Mich. Ave., Chicago, Ill.
Exudation of pitch and oils in wood.	Browne, F. L., & Rietz, R. C.	FPL Rep. 1735. 1959. R&R 1965.
Fire-test methods used in research at the Forest Products Laboratory.	FPL	FPL Rep. 1443. Rev. 1959. R&R 1965.
Ignition and charring temperatures of wood.	FPL	FPL Rep. 1464. Rev. 1958. R&R 1963.
Fire-resistance tests of solid wood flush doors.	Miniutti, V. P.	Forest Prod. J. Apr. 1958.
Wood houses can be fire-safe houses.	Bruce, H. D., & Fassnacht, D.	Forests & People, Fourth Quar. 1958.
Wood siding, how to install it, paint it, care for it.	FPL	USDA Home & Garden Bull. 52. 1956.
Preservative treatment of window sash and other millwork.	Browne, F. P.	FPL Rep. 919. Rev. 1945. R&R 1965.
*Wood preservation: Treating practices.		Fed. Spec. TT-W-571. Latest issue. GPO.

# MISCELLANEOUS

Title	Author	Publication and date
Standard terms for describing wood.	FPL	USFS Res. Note FPL-0171. 1967.
*Timber construction manual.	American Institute of Timber Construction	Wiley & Sons, New York. 1966.
Differences between heartwood and sapwood.	FPL	USFS Res. Note FPL-0147. 1966.
Prestressed laminated wood beams.	Bohannon, B.	USFS Res. Pap. FPL 8. 1964.
Comparative strength of air-dried and kiln-dried wood.	FPL	USFS Res. Note FPL-055. 1964.
*The Forest Products Laboratory--A brief account of its work and aims.	FPL	USDA Agr. Information Bull. 105. Rev. 1962. GPO, 25 cents.
Wood scaffold planks.	FPL	FPL Tech. Note 264. 1962.
Machining and related characteristics of United States hardwoods.	Davis, E. M.	USDA Tech. Bull. 1267. 1962. GPO, 35 cents.
Some books about wood (a list).		FPL Rep. 399. Rev. 1961.
The factor of safety in design of timber structures.	Wood, L. W.	Trans. Amer. Soc. Civil Engin. Pap. 3051, Vol. 125. 1960.
*Wood: Colors and kinds.	FPL	USDA Agr. Handb. 101. 1956. GPO, 20 cents.
The influence of rate of loading on the strength of wood and wood-base materials.	Markwardt, L. J., & Liska, J. A.	Reprint from ASTM Symposium on Speed of Testing, pp. 3-18, 1956.
Methods of determining the specific gravity of wood.	FPL	FPL Tech. Note B-14. Rev. 1956.



# MISCELLANEOUS

Title	Author	Publication and date
*Wood handbook.	FPL	USDA Agr. Handb. 72. 1955. GPO. (Under revision)
Weights of various woods grown in the United States.	FPL	FPL Tech. Note 218. Rev. 1953.
Moisture content of wood in use.	Peck, E. C.	FPL Rep. 1655. 1947. R&R 1961.
*Minimum property standards for one and two living units.	Federal Housing Administration	FHA No. 300. GPO. Latest issue.
*Minimum property standards for multifamily housing.	Federal Housing Administration	FHA No. 2600. GPO. Latest issue.
*National design specification for stress-grade lumber and its fastenings.	National Forest Products Assoc.	NFPA, Washington, D.C. 50 cents. Latest issue.
*Structural glued laminated timber.	U.S. Dept. of Commerce.	U.S. Commercial Stand- ard CS 253. GPO, 15 cents. Latest issue.

